

Teemu Ojanen

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,921
citations

304743

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254184

43
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44
all docs

44
docs citations

44
times ranked

2051
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological states in engineered atomic lattices. Nature Physics, 2017, 13, 668-671.	16.7	225
2	Topological superconductivity in a van der Waals heterostructure. Nature, 2020, 588, 424-428.	27.8	211
3	Topological Superconductivity and High Chern Numbers in 2D Ferromagnetic Shiba Lattices. Physical Review Letters, 2015, 114, 236803.	7.8	138
4	Majorana states in helical Shiba chains and ladders. Physical Review B, 2014, 89, .	3.2	133
5	Helical Fermi arcs and surface states in time-reversal invariant Weyl semimetals. Physical Review B, 2013, 87, .	3.2	108
6	Thermal rectification in nonlinear quantum circuits. Physical Review B, 2009, 79, .	3.2	95
7	Mesoscopic Photon Heat Transistor. Physical Review Letters, 2008, 100, 155902.	7.8	93
8	Coupled Yu-Shiba-Rusinov States in Molecular Dimers on NbSe ₂ . Nano Letters, 2018, 18, 2311-2315.	9.1	83
9	Single-electron heat diode: Asymmetric heat transport between electronic reservoirs through Coulomb islands. Physical Review B, 2011, 83, .	3.2	74
10	Observation of Coexistence of Yu-Shiba-Rusinov States and Spin-Flip Excitations. Nano Letters, 2019, 19, 4614-4619.	9.1	53
11	Amorphous topological superconductivity in a Shiba glass. Nature Communications, 2018, 9, 2103.	12.8	49
12	Visualizing the chiral anomaly in Dirac and Weyl semimetals with photoemission spectroscopy. Physical Review B, 2016, 93, .	3.2	45
13	Theory of single-electron heat engines coupled to electromagnetic environments. Physical Review B, 2012, 86, .	3.2	44
14	Designer Curved-Space Geometry for Relativistic Fermions in Weyl Metamaterials. Physical Review X, 2017, 7, .	8.9	42
15	Thermal conductance in a spin-boson model: Cotunneling and low-temperature properties. Physical Review B, 2011, 83, .	3.2	40
16	Topological properties of helical Shiba chains with general impurity strength and hybridization. Physical Review B, 2015, 91, .	3.2	39
17	Topological $\langle \mathbf{I} \rangle$ Josephson junction in superconducting Rashba wires. Physical Review B, 2013, 87, .	3.2	38
18	Tuning topological superconductivity in helical Shiba chains by supercurrent. Physical Review B, 2014, 90, .	3.2	33

#	ARTICLE	IF	CITATIONS
19	Tuneable topological domain wall states in engineered atomic chains. Npj Quantum Materials, 2020, 5, .	5.2	33
20	Electrical Manipulation and Measurement of Spin Properties of Quantum Spin Hall Edge States. Physical Review Letters, 2011, 106, 076803.	7.8	31
21	Curved spacetime theory of inhomogeneous Weyl materials. Physical Review Research, 2019, 1, .	3.6	28
22	Chiral Topological Phases and Fractional Domain Wall Excitations in One-Dimensional Chains and Wires. Physical Review Letters, 2011, 107, 166804.	7.8	27
23	Determination of Dynamical Quantum Phase Transitions in Strongly Correlated Many-Body Systems Using Loschmidt Cumulants. Physical Review X, 2021, 11, .	8.9	21
24	Photon heat transport in low-dimensional nanostructures. Physical Review B, 2007, 76, .	3.2	20
25	Topological state engineering by potential impurities on chiral superconductors. Physical Review B, 2016, 94, .	3.2	20
26	Topological phase transitions in glassy quantum matter. Physical Review Research, 2020, 2, .	3.6	20
27	Selection-rule blockade and rectification in quantum heat transport. Physical Review B, 2009, 80, .	3.2	19
28	Magnetoelectric Effects in Superconducting Nanowires with Rashba Spin-Orbit Coupling. Physical Review Letters, 2012, 109, 226804.	7.8	19
29	Mesoscopic persistent currents in a strong magnetic field. Physical Review B, 2010, 81, .	3.2	17
30	Topological magnetotorsional effect in Weyl semimetals. Physical Review Research, 2020, 2, .	3.6	17
31	Criticality in amorphous topological matter: Beyond the universal scaling paradigm. Physical Review Research, 2020, 2, .	3.6	16
32	Skymion-induced bound states in a p -wave superconductor. Physical Review B, 2016, 94, .	3.2	14
33	Photoinduced helical metal and magnetization in two-dimensional electron systems with spin-orbit coupling. Physical Review B, 2012, 85, .	3.2	13
34	Anomalous electromagnetic response of superconducting Rashba systems in trivial and topological phases. Physical Review B, 2013, 87, .	3.2	11
35	Quantum detectors for the third cumulant of current fluctuations. Physical Review B, 2007, 75, .	3.2	10
36	Majorana states and devices in magnetic structures. Physical Review B, 2013, 88, .	3.2	10

#	ARTICLE	IF	CITATIONS
37	Dynamical quantum phase transitions in strongly correlated two-dimensional spin lattices following a quench. <i>Physical Review Research</i> , 2022, 4, .	3.6	8
38	Engineering of Chern insulators and circuits of topological edge states. <i>Physical Review B</i> , 2019, 99, .	3.2	7
39	Many-body entanglement and topology from uncertainties and measurement-induced modes. <i>Physical Review Research</i> , 2022, 4, .	3.6	6
40	Entanglement echo and dynamical entanglement transitions. <i>Physical Review Research</i> , 2021, 3, .	3.6	5
41	Electromechanical instability in vibrating quantum dots with effectively negative charging energy. <i>Physical Review B</i> , 2009, 80, .	3.2	4
42	State-dependent impedance of a strongly coupled oscillator-qubit system. <i>Physical Review B</i> , 2005, 72, .	3.2	1
43	Reply to: "Topological and trivial domain wall states in engineered atomic chains". <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	0